



JYW-KK overhead signal type remote fault indicator

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1. Advantages

Be the first to apply Roche coils into this type of indicator, It has great linearity of test data and is not affected by wire diameter, thus guarantee test accuracy;

The "energy module" which use the anti-corrosion and high-permeability material with low-power system design enables the battery-free full-function operation at a primary current of 2A;

The three-level power architecture (CT power supply, supercapacitor, and disposable lithium battery) constitutes the power supply system let the equipment operates 24/7;

High-protection level "collection unit", withstands temperature shocks and long-term blisters, ensuring long-term outdoor working reliability;

Both the collection unit and the acquisition unit can be controlled remotely and wirelessly;

2. Technical Parameter

	Item	Parameter
Applications	Voltage	6 ~ 35kV
	Neutral grounding method	Various grounding methods are available
	Wiring type	Overhead insulation and bare wires 35mm ² ~ 240mm ²
Collection unit power supply	Main power	Solar power supply (the rated output voltage of the solar panel is 18V, and the capacity is based on nessecery)
	Backup power	Rechargeable battery: Lithium iron phosphate or lead-acid colloid battery is dependent on necessary. All hardware design is compatible for them both.
Acquisition unit power supply	Main power	Line self-powered (5A full-function operation)
	Backup power	Disposable lithium battery 3.6V, 8.5Ah
		Time of duration of the supercapacitor battery > 12 hours
Static power dissipation	Acquisition unit	≤40uA
	Collection unit	≤0.2VA
Telemetry accuracy	Current	0 ~ 100A, measurement accuracy: ±3A 100A ~ 600A, measurement accuracy: ±2%
Fault detection	Recognizable fault type	Short circuit between phases, various single-phase grounding
		Instantaneous faults and permanent faults
	Recognition minimum recognition time	0.2s
Line status indication	Indication	360° omnidirectional bright LED
	Flashing time after an outage	> 2000h
	Fault reset method	Timed automatic reset can be set from 1 to 48 hours
		Power-on automatic reset and remote manual reset
Local communication	Frequency band	430 ~ 480MHz
	Communication distance	> 50m
	Transmit power consumption	< 25mA@+10dBm
	Receive power consumption	< 3mA
	Communication frequency	150kbps
Mechanical properties	Weight	< 1kg
	Protection level	Acquisition unit IPX7; Collection unit IPX5
Working	Temperature	-40°C ~ 70°C

environment	Humidity	10% ~ 100%
Service life	Operating	> 8 years
	Failure-free time (average)	MTBF \geq 70000h

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